



IFWO

RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/690,658

TIME: 11:43:01

Input Set : N:\Crf3\RULE60\10690658.raw

Output Set: N:\CRF4\08272004\J690658.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Saxena, Brij B.

6 Rathnam, Premila

8 (ii) TITLE OF INVENTION: hCG-hLH RECEPTOR AND hCG-hLH

9 RECEPTOR-hCG COMPLEX AS ANTIGENS, ANTIBODIES THERETO AND
10 CONTRACEPTIVE VACCINE

12 (iii) NUMBER OF SEQUENCES: 15

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS

16 (B) STREET: 2100 Pennsylvania Avenue, N.W.

17 (C) CITY: Washington

18 (D) STATE: D.C.

19 (E) COUNTRY: USA

20 (F) ZIP: 20037

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/10/690,658

C--> 30 (B) FILING DATE: 23-Oct-2003

31 (C) CLASSIFICATION: 536

59 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: US/08/120,324

34 (B) FILING DATE: 14-SEP-1993

36 (A) APPLICATION NUMBER: US 08/029,613

37 (B) FILING DATE: 11-MAR-1993

40 (A) APPLICATION NUMBER: US 07/879,245

41 (B) FILING DATE: 06-MAY-1992

44 (A) APPLICATION NUMBER: US 07/742,236

45 (B) FILING DATE: 08-AUG-1991

48 (A) APPLICATION NUMBER: US 07/555,696

49 (B) FILING DATE: 23-JUL-1990

52 (A) APPLICATION NUMBER: US 06/910,554

53 (B) FILING DATE: 23-SEP-1986

56 (A) APPLICATION NUMBER: US 06/752,497

57 (B) FILING DATE: 08-JUL-1985

60 (A) APPLICATION NUMBER: US 06/446,145

61 (B) FILING DATE: 02-DEC-1982

63 (viii) ATTORNEY/AGENT INFORMATION:

64 (A) NAME: Nakamura, Dean H.

ENTERED

RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/690,658

TIME: 11:43:01

Input Set : N:\Crif3\RULE60\10690658.raw

Output Set: N:\CRF4\08272004\J690658.raw

```

65      (B) REGISTRATION NUMBER: 33,981
66      (C) REFERENCE/DOCKET NUMBER: A6229-1
68      (ix) TELECOMMUNICATION INFORMATION:
69          (A) TELEPHONE: (202)293-7060
70          (B) TELEFAX: (202)293-7860
73      (2) INFORMATION FOR SEQ ID NO: 1:
75          (i) SEQUENCE CHARACTERISTICS:
76              (A) LENGTH: 223 base pairs
77              (B) TYPE: nucleic acid
78              (C) STRANDEDNESS: single
79              (D) TOPOLOGY: linear
81          (ii) MOLECULE TYPE: DNA (genomic)
86          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
88      CGTAATCATG TCATAGCTGT TTCCTGTGTG AAATACTCAC ATTAATTGCG TTGGCCTCAC      60
90      TGCCCCGCTTT CCAGTCGGAA ACCTGTCGTG CCAGCTGCAT TAAGTAATCG GCCAAGGCGC      120
92      GGGGAGAGGC GGTTTGCGTA TTGGGCGCTC TTTCCGCTTC CGTCTGCCTC ACTGACTCGC      180
94      TCGGCTCGGT CGTCCGCTG CGGCGAGCGT ATAGCTACTC AAG                        223
96      (2) INFORMATION FOR SEQ ID NO: 2:
98          (i) SEQUENCE CHARACTERISTICS:
99              (A) LENGTH: 216 base pairs
100             (B) TYPE: nucleic acid
101             (C) STRANDEDNESS: single
102             (D) TOPOLOGY: linear
104          (ii) MOLECULE TYPE: DNA (genomic)
109          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
111      TTACCCAACT TAATCCGCCC TTGCAGCACA TCCCCCTTTC GCCAGCTGGT AATAGCGCAA      60
113      GAGGCCCGCG ACCCGATCGC CCTTCCTTCA GTTGCGCGCT GAATGGCGAA TGGCGTGATG      120
115      CGGTATTTTC TCTTAGCATT GTGGTATTTA AGATATGGTG ATTAGTACAA TTGCTCTGAT      180
117      GCGATAGTTA ATAGCGAAGA ACATGAGCTG AGGTTG                        216
119      (2) INFORMATION FOR SEQ ID NO: 3:
121          (i) SEQUENCE CHARACTERISTICS:
122              (A) LENGTH: 151 base pairs
123              (B) TYPE: nucleic acid
124              (C) STRANDEDNESS: single
125              (D) TOPOLOGY: linear
127          (ii) MOLECULE TYPE: DNA (genomic)
132          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
134      TCTCCGGCCG TCATGCCGTA TTGGTTCGGA TACGGATGTG CTAGGTCCCA CTGCCACGGC      60
136      TCCTACTGCT ACTCGCGTAA CAATCTAAAG TATCTGCCAC GGACTGACGC AATCGTTAAA      120
138      TTGATACTAT TTGATGGCGT AATTTGCAAA G                        151
140      (2) INFORMATION FOR SEQ ID NO: 4:
142          (i) SEQUENCE CHARACTERISTICS:
143              (A) LENGTH: 152 base pairs
144              (B) TYPE: nucleic acid
145              (C) STRANDEDNESS: single
146              (D) TOPOLOGY: linear
148          (ii) MOLECULE TYPE: DNA (genomic)
153          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
155      CTTTGCAAAT TACGCCATCA AATAGTATCA ATTTAACGAT TCGGTCAGTC CGTGGCAGAT      60

```

RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/690,658

TIME: 11:43:01

Input Set : N:\Crf3\RULE60\10690658.raw

Output Set: N:\CRF4\08272004\J690658.raw

```

157 ACCTTTAGAT TGTTACGCGA GTAGCAGTAG GAGCCGTGGC AGTGGGACCT AGCACATCCG      120
159 TATCCGAACC AATACGGCAT GACGGCCGGA GA                                     152
161 (2) INFORMATION FOR SEQ ID NO: 5:
163     (i) SEQUENCE CHARACTERISTICS:
164         (A) LENGTH: 126 base pairs
165         (B) TYPE: nucleic acid
166         (C) STRANDEDNESS: single
167         (D) TOPOLOGY: linear
169     (ii) MOLECULE TYPE: DNA (genomic)
174     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
176 GTAATATGTA TAGCTGTTTC CTGTGTGAAA TTGTTATCGC TCACAATTCC ACACAACTAC      60
178 CCGAGCGCGG AAGCATAAAG TGTAAGCCT GGGGTGCCTA ATGAGTGAGC TAACTGACAC      120
180 ATTAAT                                                                    126
182 (2) INFORMATION FOR SEQ ID NO: 6:
184     (i) SEQUENCE CHARACTERISTICS:
185         (A) LENGTH: 102 base pairs
186         (B) TYPE: nucleic acid
187         (C) STRANDEDNESS: single
188         (D) TOPOLOGY: linear
190     (ii) MOLECULE TYPE: DNA (genomic)
195     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
197 TTGGCACTGG CGTCGTTTAT CAACGTCGTG ACGTGGA AAA CGCTGGCTAT CCAACTTAGT      60
199 CGCTGCAGCA CATCCTAGCT AGTCAGCTGC TAATAGCGAG AG                          102
201 (2) INFORMATION FOR SEQ ID NO: 7:
203     (i) SEQUENCE CHARACTERISTICS:
204         (A) LENGTH: 200 base pairs
205         (B) TYPE: nucleic acid
206         (C) STRANDEDNESS: single
207         (D) TOPOLOGY: linear
209     (ii) MOLECULE TYPE: DNA (genomic)
214     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
216 ATTAAC TTTT CTGTCAC TTT AATGCTAGAT CCTAGATTAC CACCAGTTAG GCCGTGTCTC      60
218 TATTTACTTC TGCTTTGCCT TTC TAAACAT TTTTATGATG AGGATTACAT AAAATCGTAA      120
220 ATGCGCTTAA TACCACTGAA TCATACACTT GAAATGGTAA ATTTTATGT ATTTTGTACC      180
222 ACAATAAAAA CTAAAAGCCT                                                  200
224 (2) INFORMATION FOR SEQ ID NO: 8:
226     (i) SEQUENCE CHARACTERISTICS:
227         (A) LENGTH: 56 base pairs
228         (B) TYPE: nucleic acid
229         (C) STRANDEDNESS: single
230         (D) TOPOLOGY: linear
232     (ii) MOLECULE TYPE: DNA (genomic)
237     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
239 CACGGCCTAA CTGGTGGTAA TCTAGGATCT AGCATTAAG TGACAGAAAA GTTAAT          56
241 (2) INFORMATION FOR SEQ ID NO: 9:
243     (i) SEQUENCE CHARACTERISTICS:
244         (A) LENGTH: 134 base pairs
245         (B) TYPE: nucleic acid
246         (C) STRANDEDNESS: single

```

RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/690,658

TIME: 11:43:01

Input Set : N:\Crf3\RULE60\10690658.raw

Output Set: N:\CRF4\08272004\J690658.raw

```

247      (D) TOPOLOGY: linear
249      (ii) MOLECULE TYPE: DNA (genomic)
254      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
256 AGAGCCCAAT ACGCAACGCT CTCCGCGCGG TTGGCCGATT CATTAATGCA GCTGGCACGA      60
258 CAGGTTCCGA CTGGAAAGCG GGCAGTGAGC GCAACGCAAT TAATGTGAGT TAGCTCACTC      120
260 ATTAGGCACC CCAG      134
262 (2) INFORMATION FOR SEQ ID NO: 10:
264      (i) SEQUENCE CHARACTERISTICS:
265          (A) LENGTH: 131 base pairs
266          (B) TYPE: nucleic acid
267          (C) STRANDEDNESS: single
268          (D) TOPOLOGY: linear
270      (ii) MOLECULE TYPE: DNA (genomic)
275      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
277 CTGGGGTGCC TAATGAGTGA GCTAACTCAC ATTAATTGCG TTGCGCTCAC TGCCCGCTTT      60
279 GTCGGAACCT GTCGTCGCAG CTGCATTAAT GAATCGGCCA ACGCGCGGGA GAGCGTTGCG      120
281 TATTGGGCTC T      131
283 (2) INFORMATION FOR SEQ ID NO: 11:
285      (i) SEQUENCE CHARACTERISTICS:
286          (A) LENGTH: 143 base pairs
287          (B) TYPE: nucleic acid
288          (C) STRANDEDNESS: single
289          (D) TOPOLOGY: linear
291      (ii) MOLECULE TYPE: DNA (genomic)
296      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
298 AGGCTTTTATG TTTTATTGT GTCAAAAAT ACATAAAATT TACCATTTCAT AGTGTATGAT      60
300 TCAGTGGTAT TAAGCGCATT TACGATTTTA TGTAATCCTC ATCATAAAAA TGTTTAGAAA      120
302 GGCAAAGCAG AAGTAAATAG AGA      143
304 (2) INFORMATION FOR SEQ ID NO: 12:
306      (i) SEQUENCE CHARACTERISTICS:
307          (A) LENGTH: 102 base pairs
308          (B) TYPE: nucleic acid
309          (C) STRANDEDNESS: single
310          (D) TOPOLOGY: linear
312      (ii) MOLECULE TYPE: DNA (genomic)
317      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
319 CTCTCGCTAT TAGCAGCTGA CTAGCTAGGA TGTGCTGCAG CGACTAAGTT GGATAGCCAG      60
321 CGTTTTCCAC GTCACGACGT TGATAAACGA CGCCAGTGCC AA      102
323 (2) INFORMATION FOR SEQ ID NO: 13:
325      (i) SEQUENCE CHARACTERISTICS:
326          (A) LENGTH: 90 base pairs
327          (B) TYPE: nucleic acid
328          (C) STRANDEDNESS: single
329          (D) TOPOLOGY: linear
331      (ii) MOLECULE TYPE: DNA (genomic)
336      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
338 CTCCGCCAG GGGGCGGCGA CGTGCGAGCG CTGAGCGAGC TGCAAGGGCG CGCCGTGCGG      60
340 CTGCGTAATC GGCTTCAAG GTGAGCCATT      90
342 (2) INFORMATION FOR SEQ ID NO: 14:

```

RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/690,658

TIME: 11:43:01

Input Set : N:\Crf3\RULE60\10690658.raw

Output Set: N:\CRF4\08272004\J690658.raw

```

344      (i) SEQUENCE CHARACTERISTICS:
345          (A) LENGTH: 166 base pairs
346          (B) TYPE: nucleic acid
347          (C) STRANDEDNESS: single
348          (D) TOPOLOGY: linear
350      (ii) MOLECULE TYPE: DNA (genomic)
355      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
357 CGGGTTTTTT TTTTAGGGCT TTTTAGTTTT TTTTATTGTG GTTAAAAAAT ACATAAAAAAT      60
359 TTACCATTTT CAAGTGTATG ATTCAGTGGT ATTAGCGCAT TTACGATTTA TGTAATCTCA      120
361 TCATAAAATG TTAGAAGGCA AGCGAGTAAT GAGACCGCTA CTGTGA      166
363 (2) INFORMATION FOR SEQ ID NO: 15:
365      (i) SEQUENCE CHARACTERISTICS:
366          (A) LENGTH: 304 base pairs
367          (B) TYPE: nucleic acid
368          (C) STRANDEDNESS: single
369          (D) TOPOLOGY: linear
371      (ii) MOLECULE TYPE: DNA (genomic)
376      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
378 CGTAATCATG TCATAGCTGT TTCCTGTGTG AAATTGTTAT CCGCTCACAA TTCCACACAA      60
380 CATACGAGCC GGAAGCATAA AGTGTAAGC CTGGGGTGCC TAATGAGTGA GCTAACTCAC      120
382 ATTAATTGCG TTGCGCTCAC TGCCCCTTTT CCAGTCGGGA AACCTGTCGT GCCAGCTGCA      180
384 TTAATGAATC GGCCAACGCG CGGGGAGAGG CGGTTTGCGT ATTGGGCGCT CTTTCCGCTT      240
386 CCGTCTGCCT CACTGACTCG CTGCGCTCGG TCGTCCGGCT GCGGCGAGCG TATAGCTACT      300
388 CAAG      304

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/690,658

DATE: 08/27/2004

TIME: 11:43:02

Input Set : N:\Crf3\RULE60\10690658.raw

Output Set: N:\CRF4\08272004\J690658.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]